



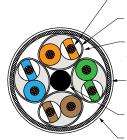


# 963-033 Cat 6A S/FTP Cable, Aerospace Grade

24 AWG S/FTP Cat 6A Cable		
Glenair Part Number	963-033-24	
Manufacturer Part Number	RCN9034-24	
Manufacturer	Gore	

S/FTP 24 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets TIA-568-2.C Category 6A requirements up to 80 meters. Qualified to SAE AS6070/5 and /6

#### **Construction Details**



CONDUCTOR 24 AWG 19X36 SILVER PLATED COPPER ALLOY WIRE INSULATION

ePTFE / PTFE .060 (1.52)

PAIR SHIELD ALUMINIZED POLYIMIDE (ALUMINUM OUT)

OVERALL SHIELD AWG 40 SILVER-PLATED COPPER 92% MIN COVERAGE FILLER

FEP/ePTFE .060 (1.52) DIA.

JACKET ENGINEERED FLUOROPOLYMER EF100 WHITE LASER-MARKABLE 0.004 (0.10) WALL 0.260 (6.60) MAX DIAMETER

## Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

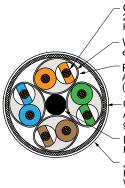
Specifications				
Impedance (ohms)	100 (+10 -5)			
Temperature Rating	-65° to +200°C			
Weight (lbs/1000 ft.)(max.)	42			
Capacitance (pF/ft)	12.5			
Time Delay (ns/ft)	1.24			
Minimum Bend Radius	0.54 (13.72)			
Maximum Attenuation at 80m Length	Frequency	dB		
	10 MHz	5.9		
	100 MHz	19.1		
	250 MHz	31.1		
	500 MHz	45.3		
NEXT (minimum)	Frequency	dB		
	1 MHz	74.3		
	10 MHz	59.2		
	100 MHz	52.3		
	250 MHz	47.9		
	500 MHz	42.2		

## 26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26
Manufacturer Part Number	RCN9047-26
Manufacturer	Gore

S/FTP 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets TIA-568-2.C Category 6A requirement up to 65 meters. Qualified to SAE AS6070/5 and /6.

## **Construction Details**



CONDUCTOR 26 AWG 19/38 SILVER PLATED HIGH STRENGTH COPPER ALLOY WIRE INSULATION

ePTFE OVER PTFE .050 (1.32)

PAIR SHIELD ALUMINIZED POLYIMIDE (ALUMINUM OUT)

OVERALL SHIELD AWG 40 SPC BRAID 92% MIN COVERAGE

FILLER FEP/ePTFE .036 (0.94) DIA.

JACKET ENGINEERED FLUOROPOLYMER EF100 WHITE LASER MARKABLE 0.004 (0.10) WALL 0.220 (5.59) MAX DIAMETER

## **Color Code**

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Pair #5 Green, white/Green · Pair #4 brown, white/brown				
Specifications				
Impedance (ohms)	100 (+10 -5)			
Temperature Rating	-65° to +200°C			
Weight (lbs/1000 ft.) (max.)	32.0			
Capacitance (pF/ft)	12.5			
Time Delay (ns/ft)	1.24			
Minimum Bend Radius	0.44 (10.2)			
Maximum Attenuation at 65m Length	Frequency	dB		
	10 MHz	5.9		
	100 MHz	19.1		
	250 MHz	31.1		
	500 MHz	45.3		
NEXT (minimum)	Frequency	dB		
	1 MHz	74.3		
	10 MHz	59.2		
	100 MHz	52.3		
	250 MHz	47.9		
	500 MHz	42.2		